Winter Weather Briefing

Saturday, January 04, 2014

For South Central Indiana and Central Kentucky

Prepared 1/4/2014 5:13 AM EST

Andrea Schoettmer

Erin Rau

lmk.ops@noaa.gov

NWS Louisville KY
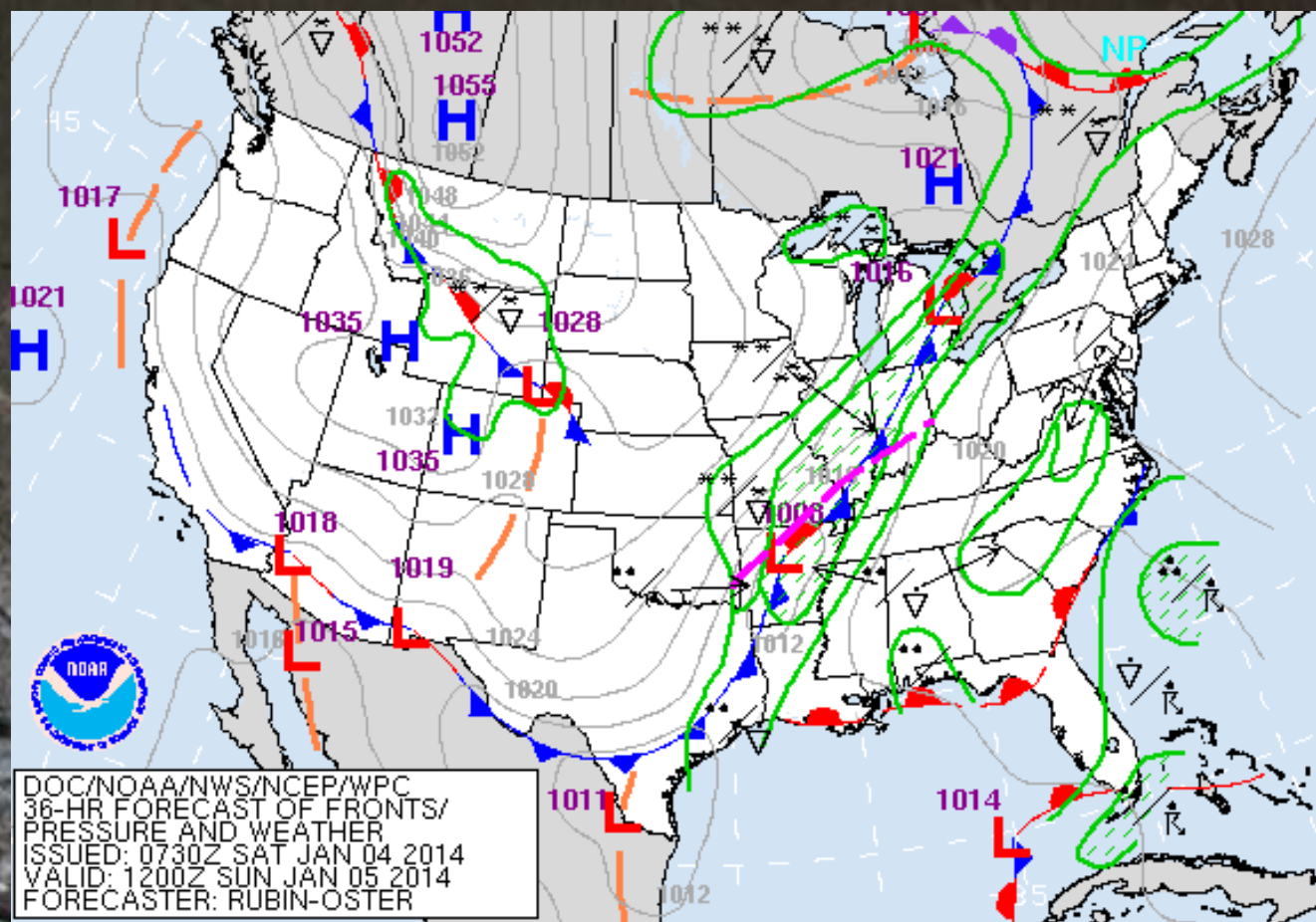
National Weather Service – Louisville, Kentucky

Snow and Arctic Blast on the Way

- A potent winter storm will drop a swath of heavy snow from the central Mississippi Valley to the eastern Great Lakes through Monday
- Significant snow will occur along and north of the Ohio River with lighter accumulations south of the river

DOC/NOAA/NWS/NCEP/WPC
36-HR FORECAST OF FRONTS/
PRESSURE AND WEATHER
ISSUED: 0730Z SAT JAN 04 2014
VALID: 1200Z SUN JAN 05 2014
FORECASTER: RUBIN-OSTER

National Weather Service – Louisville, Kentucky

Winter Storm Warning for Sunday

Winter Storm Warning
Accumulations 4-9"

Winter Storm Watch
Accumulations up to 1-4"
(potentially higher)

- Although as is nearly always the case in the OH Valley, some uncertainty still exists in the forecast track of this weather system, the currently preferred track would yield at least light snow accumulations for much of the area by Sunday night.

- Bitterly cold temps will follow (see following slides)
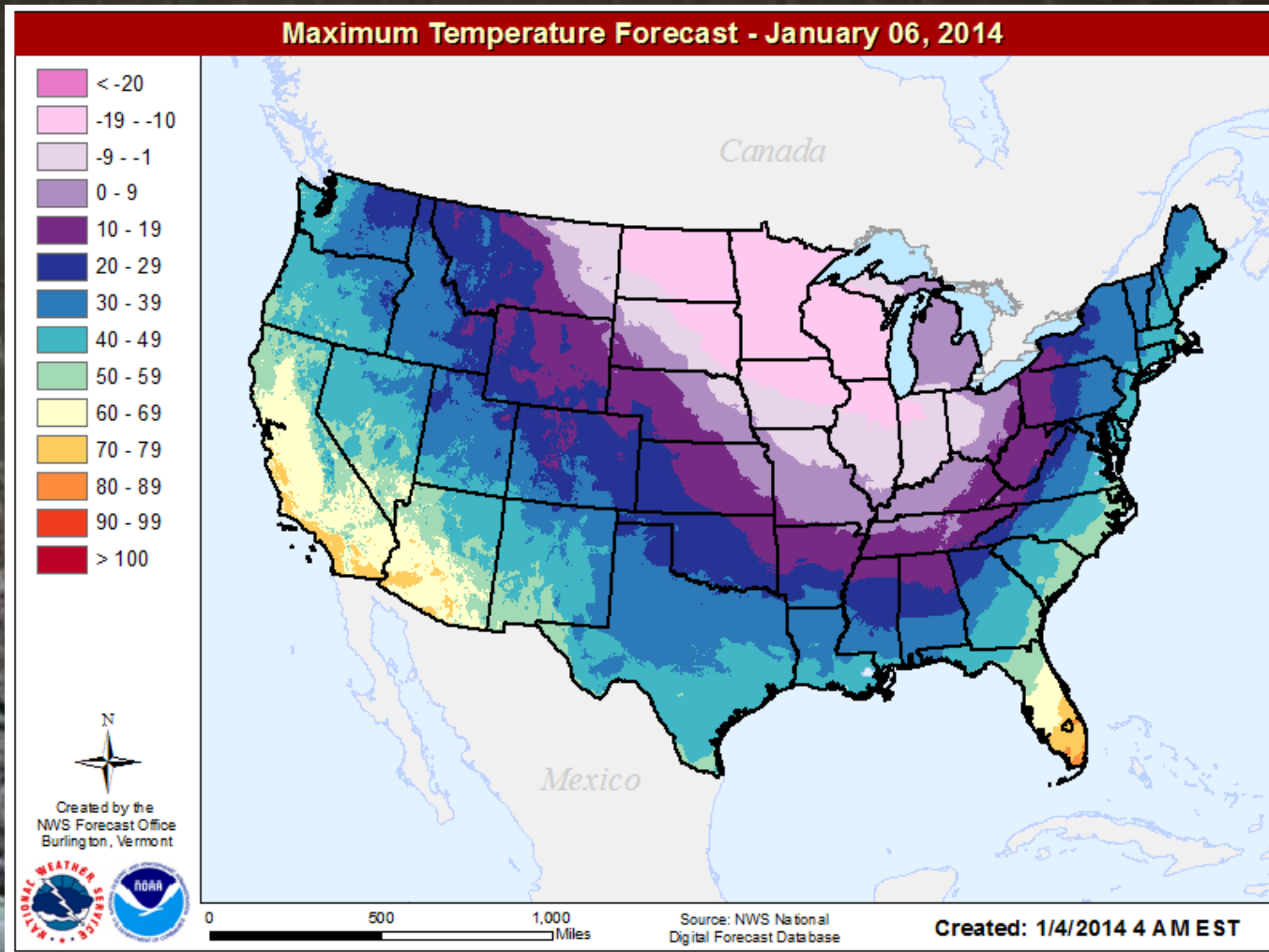
National Weather Service – Louisville, Kentucky

Snow and Arctic Blast on the Way

Maximum Temperature Forecast - January 06, 2014

Legend:
- < -20
- -19 - -10
- -9 - -1
- 0 - 9
- 10 - 19
- 20 - 29
- 30 - 39
- 40 - 49
- 50 - 59
- 60 - 69
- 70 - 79
- 80 - 89
- 90 - 99
- > 100

Created by the NWS Forecast Office Burlington, Vermont

Source: NWS National Digital Forecast Database

Created: 1/4/2014 4 AM EST

Forecast Daytime High Temperatures Monday, Jan 6, 2014

o Following the snowfall, arctic air will surge into region. Sub-zero temperatures will occur north of the Ohio by Monday morning, and as far as the TN border by Tuesday morning.

National Weather Service – Louisville, Kentucky

Snow and Arctic Blast on the Way

Low Temperature (F) Ending Tue Jan 07 2014 7AM EST
(Tue Jan 07 2014 12Z)

National Digital Forecast Database

06z issuance   Graphic created-Jan 04   1:16AM EST

Forecast Low Temperatures Tuesday morning, Jan 7, 2014
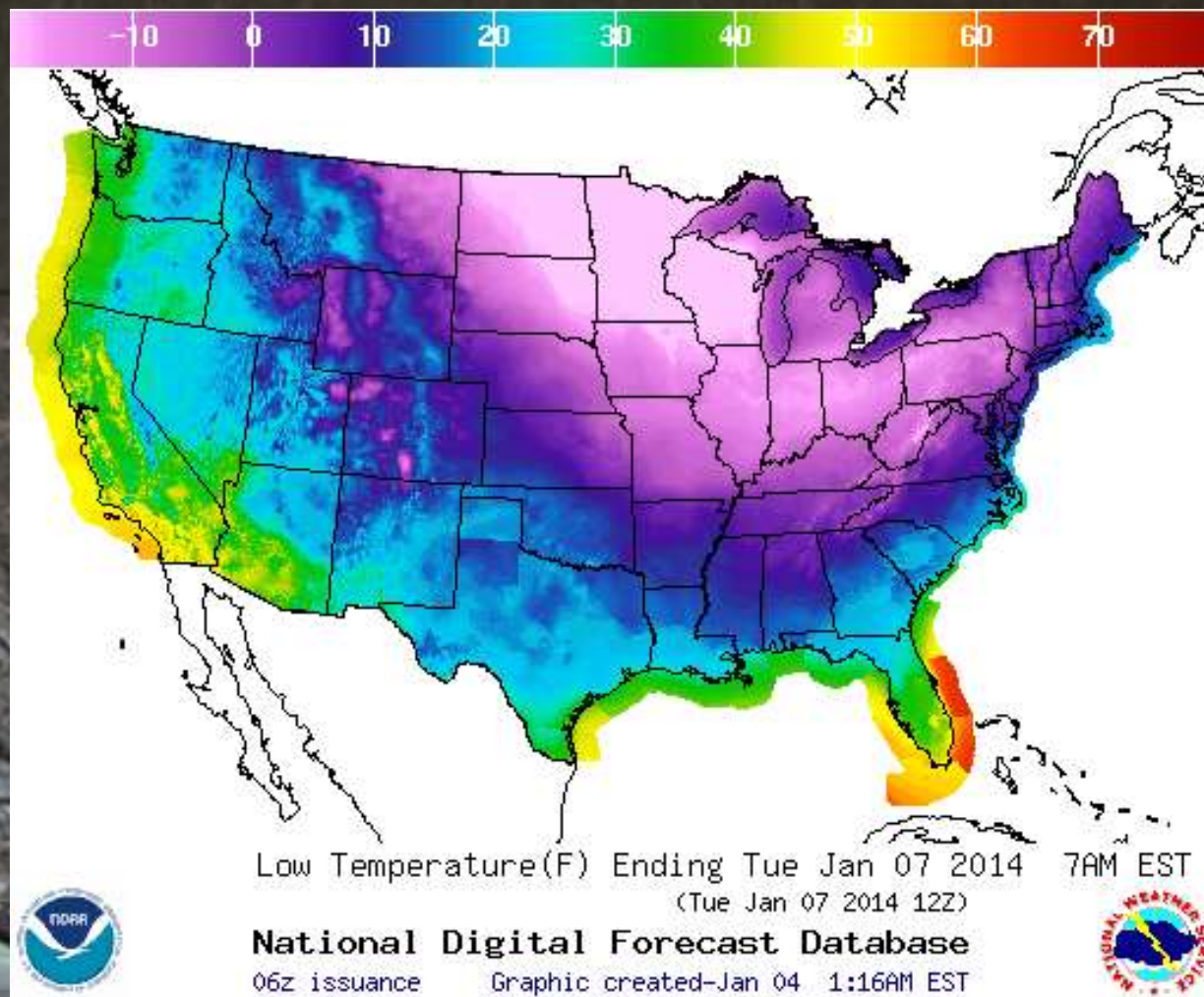
○ Some areas will remain below zero for more than 24 hours Monday through Tuesday.

National Weather Service – Louisville, Kentucky

Arctic Wind Chills

Wind Chills colder than -18 can cause frostbite in 30 min.

20-39 N-S early – dropping through the day to 0-29 by evening

"Warming" to -5 to +5

-5 to +5

-8 to -25

-10 to -30

-15 to -30

Sunday

Sunday Night

Monday

Monday Night

Tuesday

Tuesday Night

National Weather Service – Louisville, Kentucky